

D.A.V Public school, chitra  
Home assignment of summer vacation  
Sub- Chemistry Class –IX FM-20

- 1) What is matter? Give some examples of matter?
- 2) What are the characteristics of particles of matter?
- 3) A diver is able to cut through water in a swimming pool. Which property of does this observation show?
- 4) Give reason: A gas fills completely the vessel in which it is kept.
- 5) Convert the following temperature to the Celsius scale  
(a) 300 K (b) 573K
- 6) Why does a desert cooler cool better in a hot and dry day?
- 7) How does the water kept in an earthen pot become cool during summer?
- 8) Give two reason to justify that water is a liquid at room temperature.
- 9) Why is ice at 273K more effective in cooling than water at the same temperature?
- 10) What produces more severe burns boiling water or steam?

Project (any one) with explanation

- 1) To demonstrate that the particle of matter are very very small.
- 2) To demonstrate that particle of matter has space between them.